- Design for the 1 year/1 hour storm event as opposed to the presumptive 10 year/1 hour event.
- 1.1 million gallon first flush tank. When the first flush tank is full any additional flow is diverted to the 2 million gallon 2 compartment main storage basin. There is no flow-through capability for the first flush tank, its contents are dewatered to the sewer system following the storm event. Both compartments can dewater in 18 to 24 hours.
- Multiple use recreation facilities (basketball courts and playground equipment) on top of storage tank.
- Tipping bucket flushing system.
- An extensive monitoring program to demonstrate basin performance.

Project Highlights

- Serves an area of 833 acres
- Eliminates 10 CSO outfalls
- Six 45,000 gpm at 30 feet TDH, constant speed pumps
- Sodium hypochlorite disinfection system designed for 10 mg/l feed rate and 1 mg/l target residual for a peak flow rate of treated effluent of 500 cfs; space provided for addition of dechlorination facilities in the future.
- 3/4-inch mechanical screens with 1.5 inch bar spacing on the influent and skimming baffle for floatables control at the effluent
- Peak overflow rate of 6,600 gpd/sq. ft.
- Wet scrubber odor control system